

广州基安彼电池有限公司



Guangzhou Markyn Battery CO., LTD

广东省广州市番禺区新造镇曾边村海景路6号2栋502

Block2, Haijin Road6, Markyns Industrial Zone, XinZao Town, Panyu District, Guangzhou City, P.R.C.

TEL:020-84720852 FAX:020-84720936 www.gmbattery.com

Lithium-ion Battery

GMBLFP4S-26Ah

Battery Pack Specifications 电池组参数

Nominal Voltage 额定电压		12.8 V
Nominal Capacity (C/3, 20 °C) 额定容量		26 Ah
Weight (approximate) 重量		3.2 kg
Dimension LxWxH 尺寸		87 × 87 × 265 mm
Standard Discharge @ 23 °C 放电	Max. Cont Current 最大持续电流	26 A
	Max. 30 sec. Pulse 最大30秒脉冲	40 A
	Cut-off Voltage 切断电压	9.2 V
Standard Charge (CC/CV) 充电	Charge Voltage 充电电压	14.4 V
	Recommended Charge Current 充电电流	6 A
	Charge Time 充电时间	5.3 hrs
Operating temperature 工作温度		-20 °C to 60 °C
Charge temperature 充电温度		-0 °C to 45 °C
Storage temperature 存储温度		-20 °C to 45 °C
Operating humidity 工作湿度		5% to 90%, non-condensing

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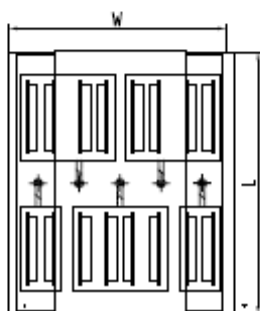
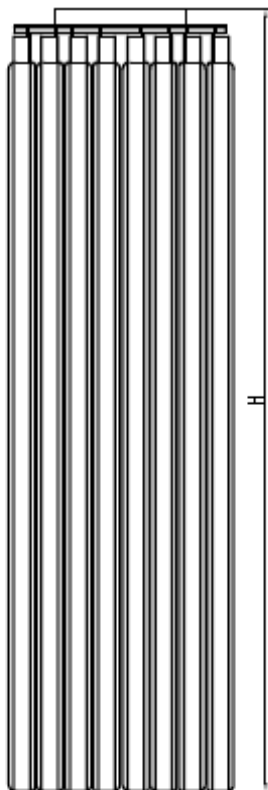
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Battery Pack Wiring Diagram 电池组接线示意图



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Cell 单只电池(GMB1181232-13Ah)

Nominal Voltage 额定电压	3.2 V
Nominal Capacity (C/3, 20 °C) 额定容量	13 Ah
Weight (approximate) 重量	0.377 kg
Charge voltage 充电电压	3.65 V
Cut-off Voltage 切断电压	2.5 V
AC Internal Resistance (max) 交流内阻	8 mΩ max
Dimension LxWxH 尺寸	10.5x82x234 mm
Operating temperature 工作温度	-20 °C to 60 °C
Charge temperature 充电温度	-0 °C to 45 °C
Storage temperature 存储温度	-20 °C to 45 °C
Operating humidity 工作湿度	5% to 90%, non-condensing

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Lithium-ion Battery Protection Circuit

锂离子电池保护线路

Max. Batteries in Series 最大串联数量	4
Over- voltage protection (signal cell) 过压保护 (单只电池)	3.75 V
Over- voltage protection (pack) 过压保护 (电池组)	15 V
Under-voltage protection (signal cell) 欠压保护 (单只电池)	2.0 V
Under- voltage protection (pack) 欠压保护 (电池组)	9.2 V
Over discharge current protection 过电流保护	50 A
Over charge current protection 过充电保护	7 A
Cell Balance 电池均衡	Yes
Short-circuit protection 短路保护	Yes
Output terminal 输出端	P+ and P-
Charge terminal 充电端	C+ and C-
Protection recovery condition 保护恢复条件	Open the circuit 断开线路
Operating temperature 工作温度	-10 °C to 85 °C

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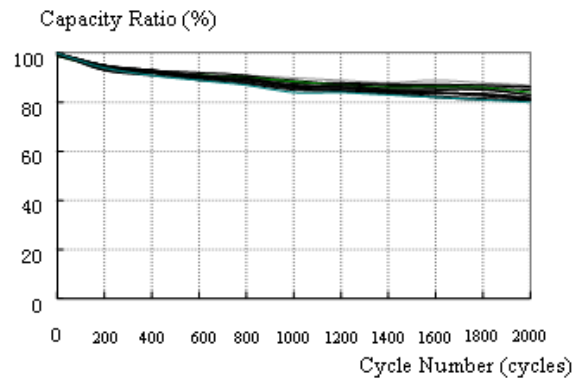
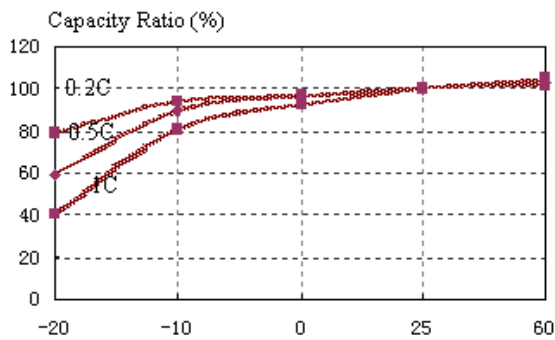
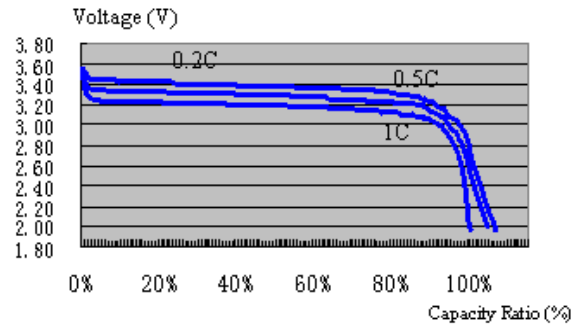
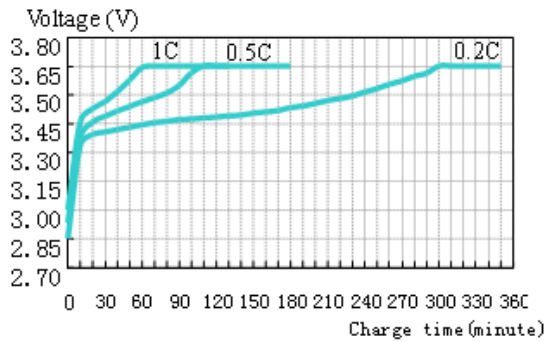
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Cell Specifications 电池参数

Overview 总览



Discharge Performance @ 20 °C 放电性能

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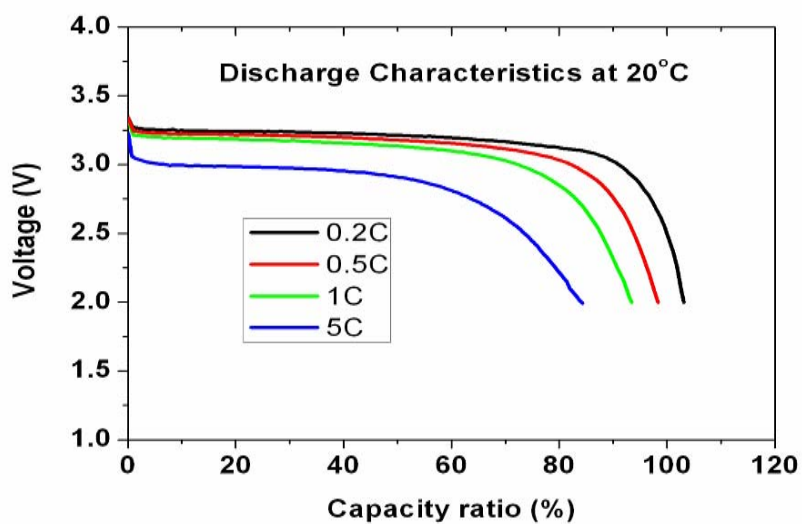


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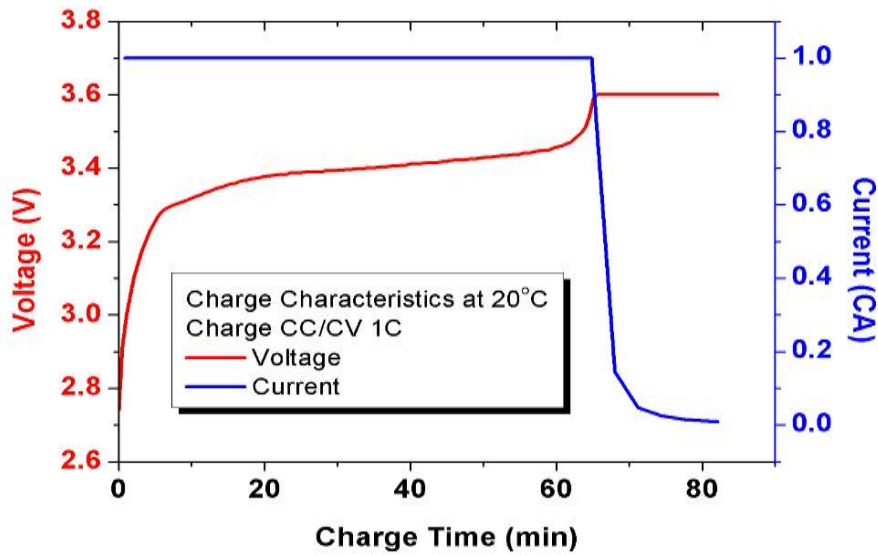
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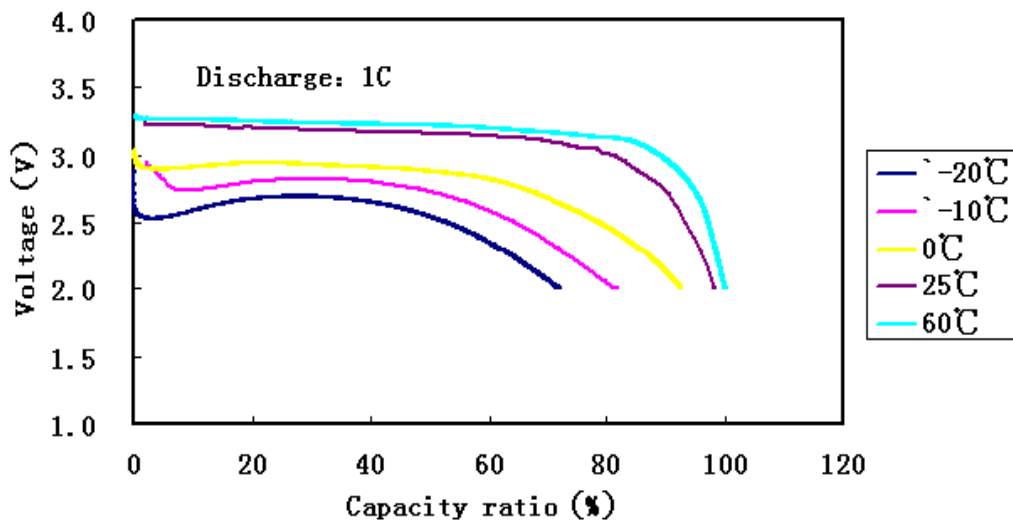
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Charge Performance @ 20 °C, 1C 充电性能



Temperature Performance 温度性能

(Capacity % VS various temperature @ 1C Rate Discharge)



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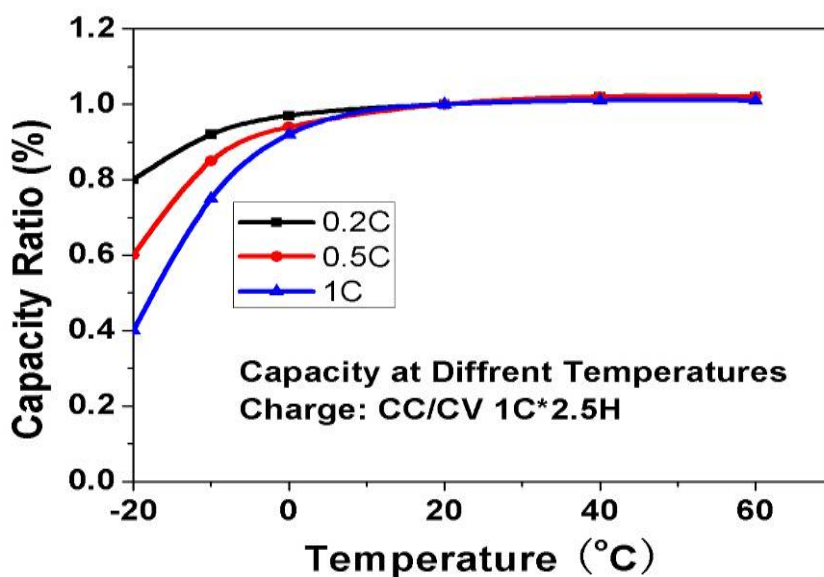
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Temperature Performance 温度性能

(Capacity % VS various temperature @ 1C Rate Charge)



Life Cycle Performance 循环寿命性能

(C/3 Charge and discharge @ 20 °C)

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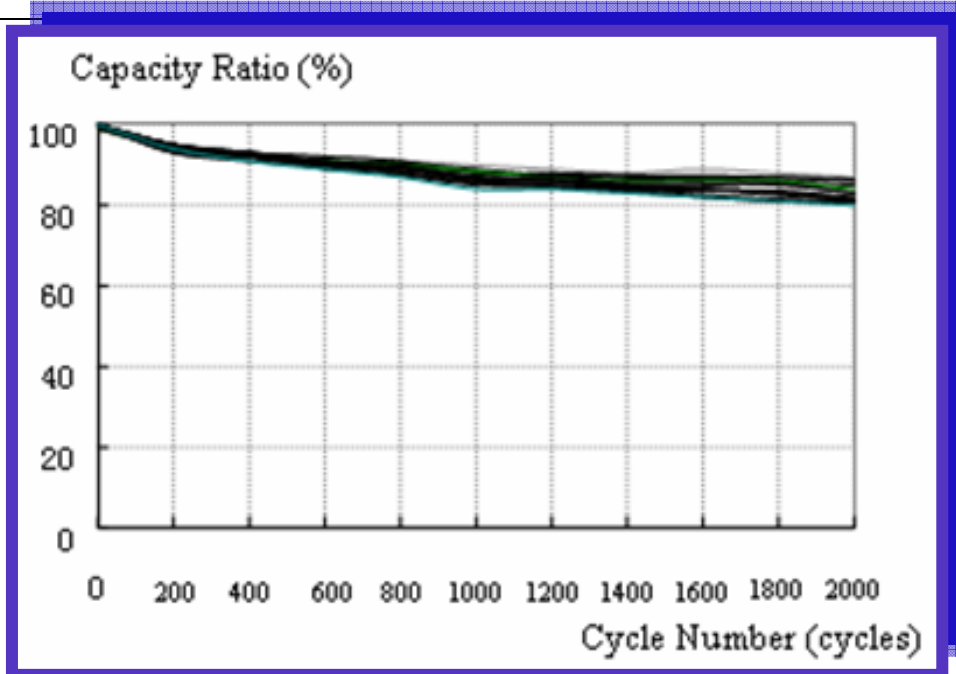


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Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications, performance will diminish. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate. Guangzhou Markyn Battery Co., Ltd shall not liable for technical or editorial errors or omissions contain herein.